

FIGURE 1

## HUMAN NMDAR1 cDNAs

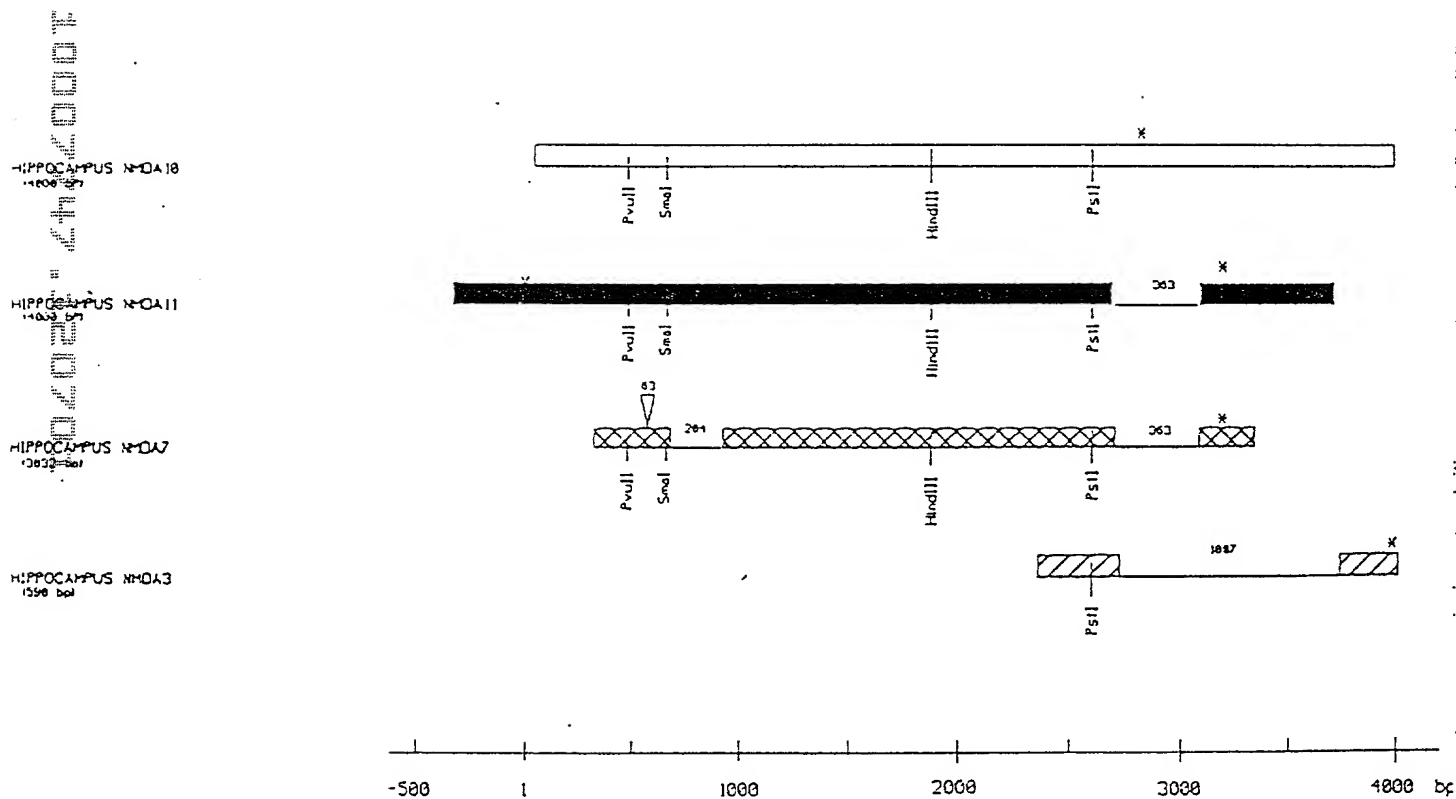
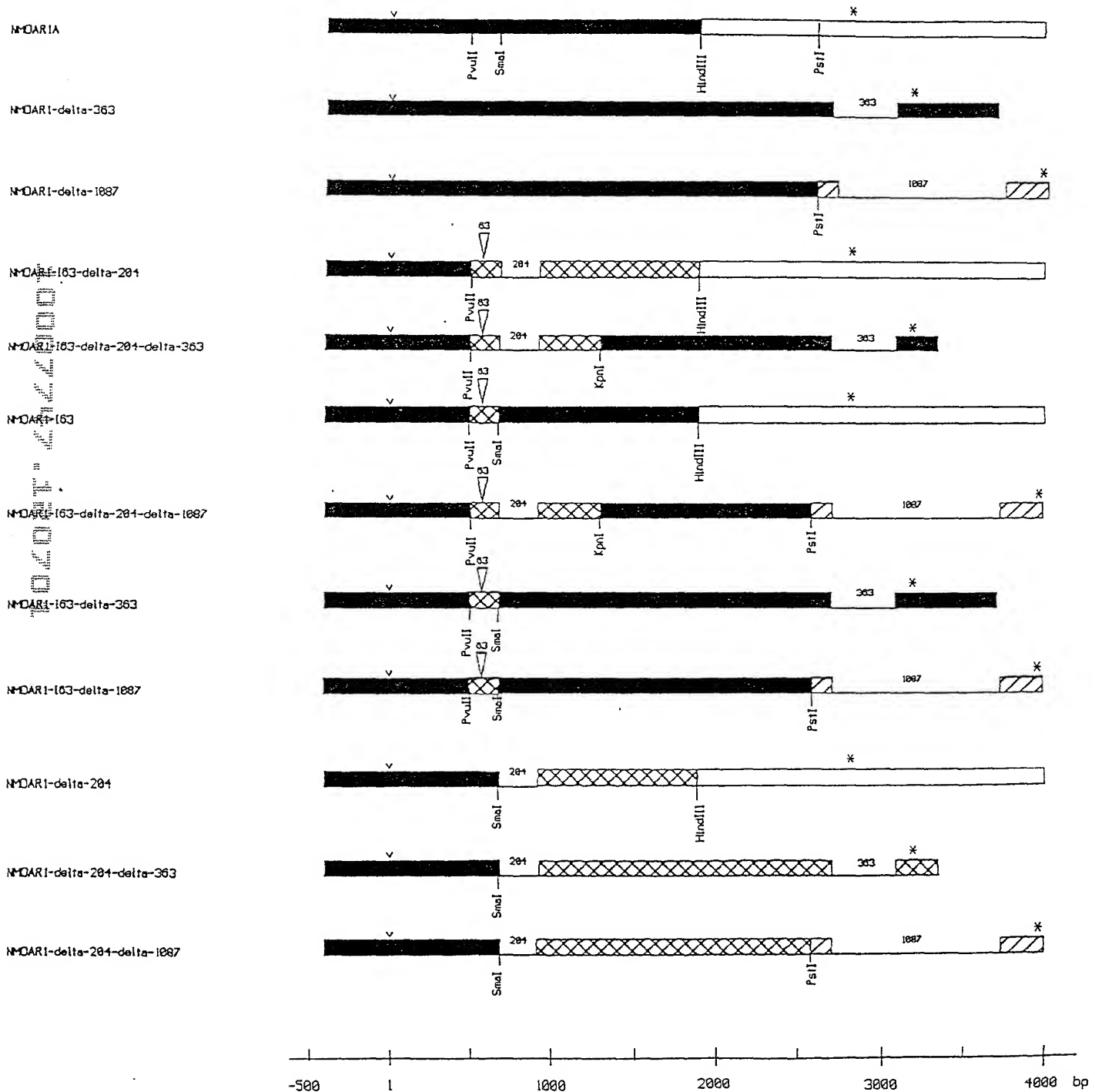


FIGURE 2

## HUMAN NMDAR1A CONSTRUCTS



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FIGURE 3

NUCLEOTIDE SEQUENCE OF THE HUMAN NMDARIA RECEPTOR

1 caagccgggc gttcggagct gtgcccggcc cgccttcagc acccgggaca gcgcccggcg cgtggggctg agcggcgagc ccccgcgac gcttcagccc  
101 cccctccctc ggcggagctc cggggaccgc cgtccgggg gagacgtggc gtccgcagcc cgcggggccg ggcgagcgca ggcggcgccg gaagcccccgc  
201 gggggatgcg ccgagggccc cgcgttcgcg ccgcgcagag ccagggccgc ggcggagcc CATGAGCACC ATGCCCTGC TGACCTCCG CCTGCTGTC  
301 TCCTGCTCCG TCGCCCTGC CGCGTGGAC CCCAAGATCG TCAATTTGG CGCGGTGCTG AGCAGCGGGA AGCAGAGCA GATGTTCCG GAGCCCGTGA  
401 ACCAGGCCAA CAAGCGGCAC GGCTCTCGA AGATTACGT CAATGCCACC TCGTCAAGC ACAAGCCCAA CGCATCCAG ATGGCTCTGT CGGTGTGGA  
501 GGACCTCATC TCAGGCCAGG TCTAGCCAT CTAAGTTAGC CATCCACCTA CCCCACCA CAACCTTCACT CCCACCCCTG TCTCTACAC AGCCGGCTTC  
601 TACCGCATAC CCGTCTGGG GGTGACCAC CGCATGTCCA TCTACTCGGA CAAGAGCATC CACCTGAGCT TCCTGCGCAC CGTCCCGCCC TACTCCACCC  
701 AGTCCAGCGT GTGGTTTGG ATGATCGTG TCTACAGCTG <sup>Pvu II</sup> GAACCAATC ATCTGCTGG TCAGCGACGA CCACGAGGGC CGGCGGCTC AGAAACGCT  
801 GGAGACCGTG CTGGAGGAGC GTGAGTCAA <sup>63 bp INSERT</sup> GGCAGAGAG GTGCTGCACT TTGACCCAGG GACCAAGAAC GTGACGGCCC TGCTGATGGA GGGGAAAGAG  
901 CTGGAGGCCG GGGTCATCAT CTTTCTGTC AGCGAGGAGC ATGTGCCAC TGTATACCG GCAGCCGCGA TGCTGAACAT GACCGCTCC GGGTACGCTG  
1001 GGCTGCTCGG CGAGCGCGAG ATCTCGGGGA ACGCCCTGCG CTACGCCCA GACGGCATCC TCGGGCTGCA GTCATCAAC GGCAGAAGC AGTCGGCCCA <sup>204 bp DELETION</sup>  
1101 CATCAGGCAC GCGTGGGGG TGGTGGCCCA GCGCGTGCAC GAGCTCTCG AGAAGGAGA CATCACCGC CGCGCGGGG GCTGCTGG CAACCAAC  
1201 ATCTGGAAGA CCGGGCGCGT CTTCAAGAGA GTGCTGATGT CTTCGAAGA TCGGATGGG GTGACTGGT CCGTGGAGTT CAATGAGGAT GGGGACCGGA  
1301 AGTTGCCAA CTACAGCATC ATGAACCTGC AGAACCGCAA GCTGGTCAA GTGGGCATCT ACAATGGCAC CCACGTCATC CCTAATGACA GGAAGATCAT  
1401 CTGGCCAGGC GGAGAGACAG AGAAGCCTCG AGGGTACCAG ATGTCCACCA GACTGAAGAT TGTGACGATC CACGAGGAGC CTTCTGTGTA CGTCAAGCCC  
1501 ACGTGAAGT ATGGGACATG CAAGGAGGAG TTCAAGTCA ACGGCGACCC AGTCAAGAA GTGATCTGCA CCGGGCCCAA CGACAGCTCG CCGGCGAGCC  
1601 CCGGCCACAC GGTGCTCAG TGTGCTACG GCTTTGCTAT CGACCTGCTC ATCAAGCTGG CACGGACCAT GAACCTTACC TACGAGGTGC ACCTGTGTGC  
1701 AGATGGCAAG TTGGGCACAC AGGAGCGGGT GAACAACAGC AACAAGAGG AGTGAATGG GATGATGGG GAGCTGCTCA GCGGGCAGGC AGACATGATC  
1801 GTGGCGCGC TAACCATAAA CAACGAGCGC GCGCAGTACA TCGAGTTTC CAAGCCCTTC AAGTACCAGG GCCTGACTAT TCTGGTCAAG AAGGAGATTC  
1901 CCGGCGACAC GCTGACTCG TTATGCAGC CGTTCAGAG CACTGTGGT CTGCTGGTGG GCGTGTGGT GCACGTGGT GCGGTGATGC TGTACCTGCT  
2001 GGACCGCTTC AGCCCTTTCG GCGGTTCAA GGTGAACAGC GAGGAGGAGG AGGAGGACGC ACTGACCTG TCTCGGCCA TGTGTTCTC CTGGGGGCTC  
2101 CTGCTCAACT CCGGCATCGG GGAAGGCGCC CCCAGAAGCT TCTCAGCGCG CATCTGGCG ATGGTGTGG CCGGCTTTC CATGATCATC GTGGCTCTCT  
2201 ACACCGCCAA CCGTGGCGCC TTCCTGCTGC TGGACCGGCC GGAGGAGCGC ATCAGCGGCA TCAACGACCC TCGGCTGAGG AACCCCTCGG ACAAGTTAT  
2301 CTACGCCACG GTGAAGCAGA GCTCCGTGGA TATCTACTTC CCGCGCCAGG TGGAGCTGAG CACCATGTAC CGGCATATGG AGAAGCACAA CTACGAGAT  
2401 GCGGCGGAGG CCATCCAGGC CGTGAGAGAC AACAAGCTGC ATGCCCTCAT CTGGGACTCG GCGGTGCTGG AGTTCGAGGC CTGCGAGAAG TGGACCTGG  
2501 TGACGACTGG AGAGCTGTTT TTCCGCTCGG GCTTCGGCAT AGGCAATGCG AAGACAGGCC CCTGGAAGCA GAACGTCTCC CTGTCCATCC TCAAGTCCCA  
2601 CGAGAATGGC TTCAATGAAG ACCTGGACAA GACGTGGGT TGGTATCAGG AATGTGACTC GCGCAGCAAC GCGCTGCGA CCGTTACTTT TGAGAACATG  
2701 GCGGCGGTCT TCATGCTGGT AGCTGGGGC ATCGTGGCG GGAATCTCT GATTTTCATC GAGATTGCT ACAAGCGGCA CAAGGATGCT CCGCGGAAGC  
2801 AGATGCACT GGCCTTTCG GCGTTAACG TGTGGCGAA GAACCTGCA GATAGAAGA GTGTAAGAGC AGAGCTGAC CCTAAAAAGA AAGCCACAT  
2901 TAGGGCTATC ACCTCCACCC TGGCTTCCAG CTTCAAGAGG CGTAGGTCT CCAAAGACAC GAGCAGCGG GGTGAGCGG GTGCTTTGCA AAACCAAAA  
3001 GACACAGTGC TCGCGCGACG CGCTATTGAG AGGAGGAGG GCCAGCTGCA GCTGTGTTCC CGTCATAGGG AGAGCTG <sup>363 bp DELETION</sup> cccccccccc gcccctctct  
3101 gccccctccc ccgcagacag acagacagag ggcggggaca gcggcccgcc ccacgcagag ccccgaggca ccacgggggc gggggaggag cccccccagc  
3201 cccccccagg ctgcgctgac ccgcggcgcg gttggccggc tggccgggac acccgctccc ggcggcgccg gtgccccag cgtggggcta acggcgccct  
3301 tgtctgtgta tttctatctt gca <sup>1087 bp DELETION</sup> gctac cctccactg atatacggg cccgctcaac ctctcagatc cctcggtcag caccgtggtg gggggccccc  
3401 ggaagcgccc acctgcccag ttgcccggc caagacact gatgggtcct gctgctcggg aaggcctgag ggaagccccc ccgccccaga gactgcccac  
3501 cctggggctc ccgtccgctc gcccggccc ccgctgctc ggcggcgag cctgctgga ccaaggtgag gaccggagcg gctgaggagc gggcagagct  
3601 gactcggtg ggcaggggcg caggggctc cggcagagc agggccctg ggtctctgag cagtggggag cgggggctaa ctgccccag ggcaggggcg  
3701 ttggagcaga gacggcagcc ccacccctc cgcagcacc ccctgagcca cagtggggcc catggcccca gctggctggg tgcgccctcc tggggcgct  
3801 gcgctctct gcagcctgag ctccacccct cctctctctt gcggcaccgc ccacaaaca cccgcttgc ccttgacgc cacacggcgg ggtggtcgct  
3901 gcccctccc acggcgctc ctgacttccc agctggcagc gctcccgcc gctcgggccc gctcctcca gaacgagag ggtgagccc ctctctctct  
4001 cgtccggct gcagcagaga agggggcctc cccgggggtc cccggagct ggtcggggc tgtcttcaac cctgcccctg acctgggga cgggagagc  
4101 ccacccgccc gcccggccc tgcctcggg tgcgtgagc gcccgcacc ttgacagaa ccagcactcc caggggcga ggcgtgct tcccctgag  
4201 cagcgcgct ctgccccctc gtccccagg tgcaggcgcg caccgcccac ccccacctc cgggtgatg cagtggggt gcctaaagga atgtcac

FIGURE 4

## HUMAN NMDAR2C cDNAs

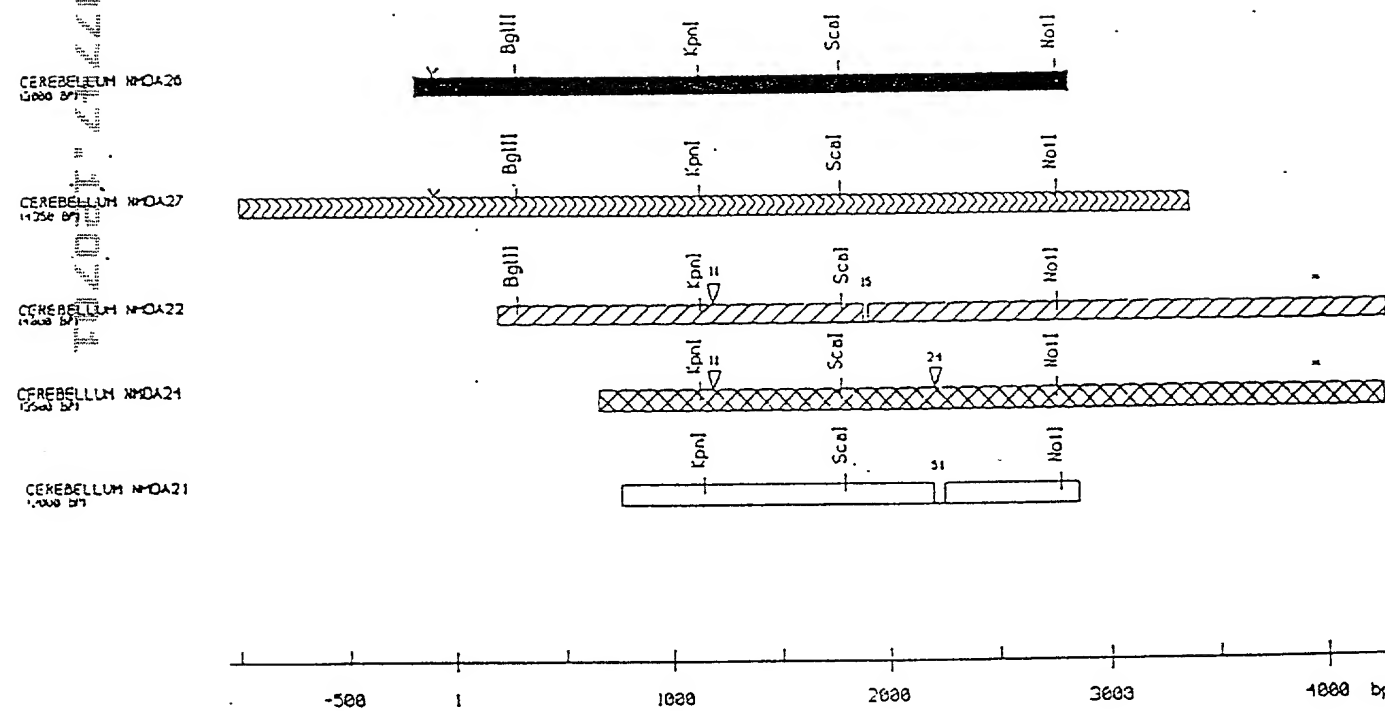


FIGURE 5

## CONSTRUCTION OF THE FULL-LENGTH HUMAN NMDAR2C cDNAs

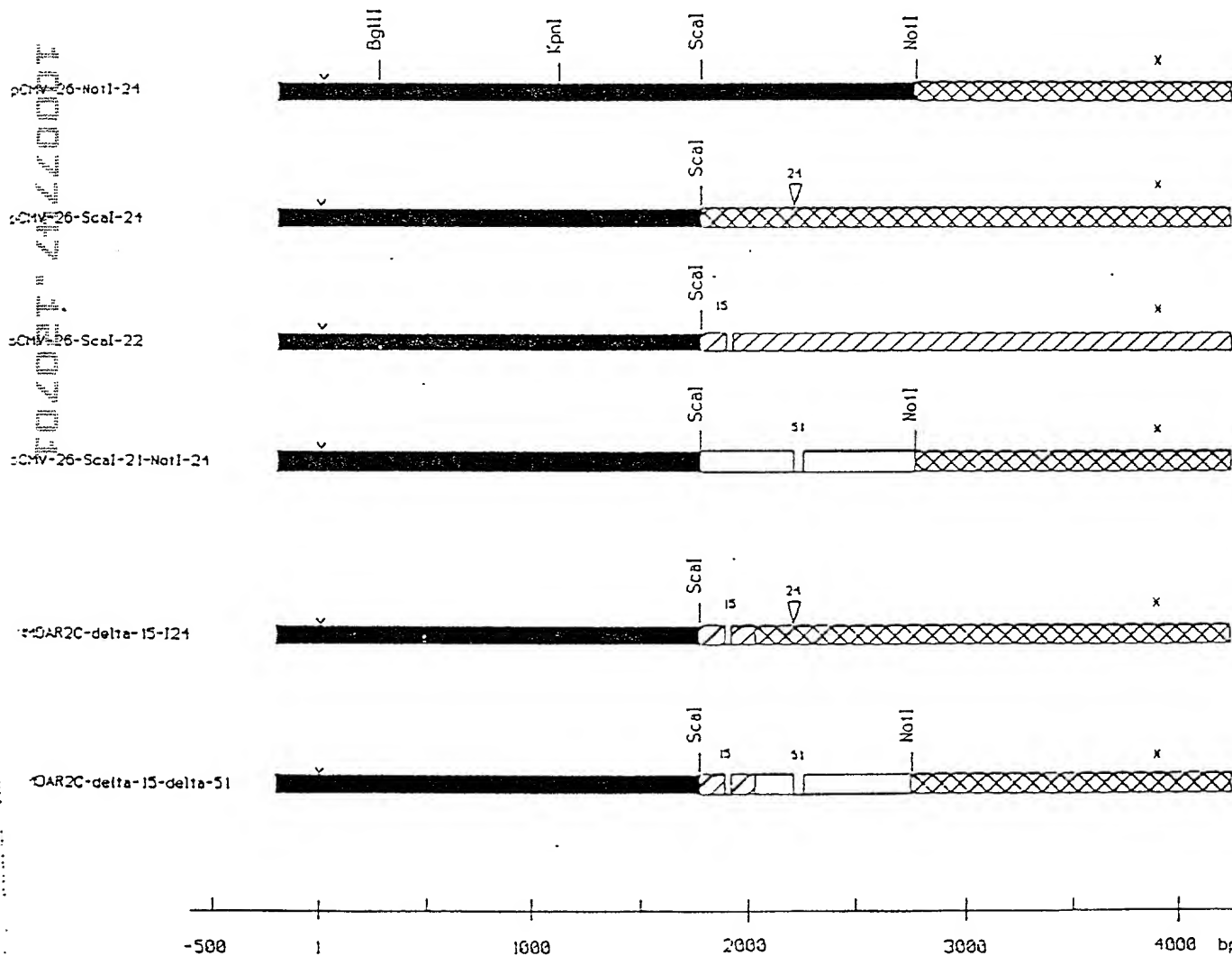
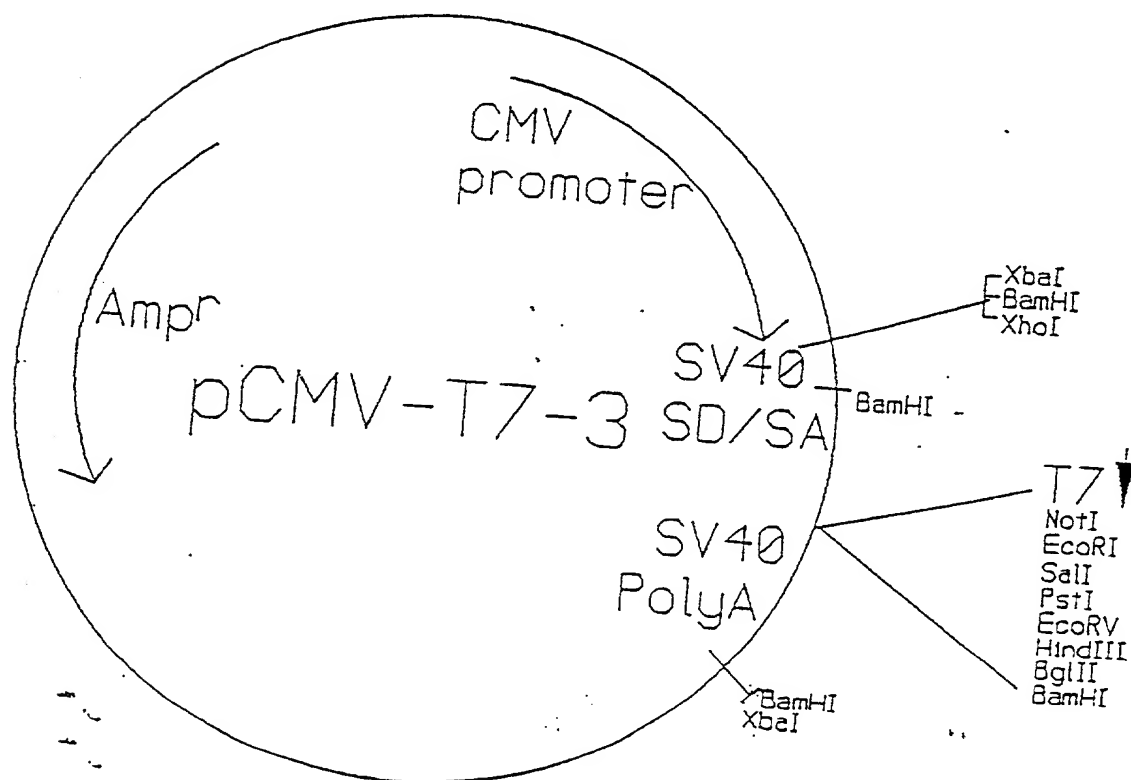
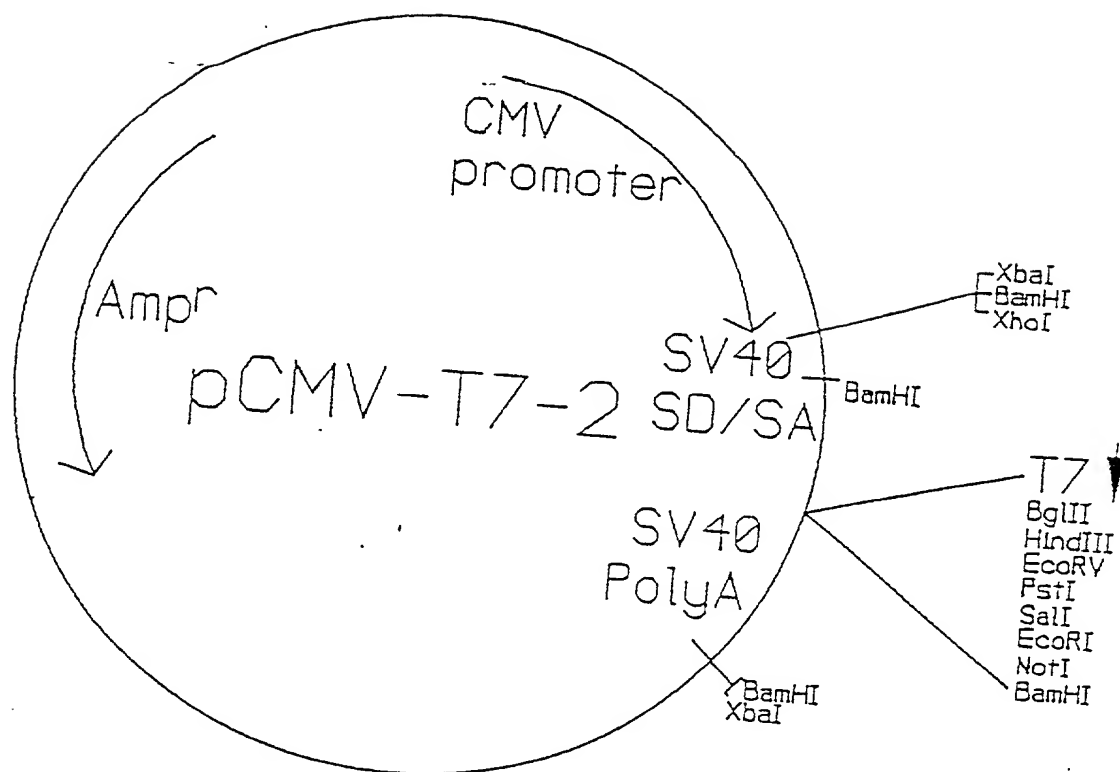


FIGURE 6



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